



### SUGGESTED FORMULA

Tretinoin 0.05% Topical Gel

Version number: 1.0

Volume or quantity: 100 gm

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Tretinoin, USP	50mg
Alpha-Bisabolol	100mg
Polyethylene Glycol 400, NF	5gm
Cremophor RH400	6gm
Butylated Hydroxytoluene, NF	40mg
Methylparaben, NF	200mg
Propylparaben, NF	50mg
Pluronic F-127	18.5mg
Purified Water, USP	Q.S. 100 g

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### SUGGESTED COMPOUNDING PROCEDURES

Weigh all ingredients

1. Heat the Purified water to about 75°C, dissolve the Parabens in the water and let cool to 40°C
2. Separately mix the Tretinoin, Polyethylene glycol, Cremophor, Butylated Hydroxytoluene and Alph-Bisabolol and heat to about 40°C
3. Add the aqueous phase to the oil phase, and heat the mixture to about 50°C
4. Dissolve about 14gm of Pluronic F-127 and mix well
5. Cool the mixture to about 6°C and add the remainder of the components with sufficient purified water to 100gm and mix thoroughly
6. Keep the mixture in cool temperature until the air bubbles have escaped
7. Suggested Quality assessments:
  - a. color
  - b. texture
  - c. container
  - d. Label - auxiliary labels, storage, BUD, compounded medication

Store in air-tight light resistant container

Room Temperature

No claims are made as to the safety or efficacy of this preparation. This formulation is provided solely at the unsolicited request of the pharmacist.

Beyond-Use Dates of preparations are conservative estimates from reference books, peer-reviewed literature, intended duration of therapy, formulation from commercially available products, organoleptic observations and current USP guidelines. Compounders may have stability studies performed by a reputable laboratory if they wish to extend the Beyond-Use Date. It is recommended that you follow USP <795> recommendations for potency testing.

Precautions should be taken when working with this Hazardous chemical. They may be absorbed through the skin, mucous membranes and lungs. Wear appropriate person protective equipment and inform personnel of the risk's. Always mix and prepare in vented enclosure (Hood)

**Beyond-Use Date estimated to be 6 Months** *Per Trissel's Stability for Compounded Formulations 5<sup>th</sup> Edition*

07/15 JD

